

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Hiroki OOI, et al.

Application No.:

Group Art Unit:

Filed: February 20, 2004

Examiner:

For: WAVELENGTH DIVISION MULTIPLEXING OPTICAL REPEATING TRANSMISSION METHOD
AND REPEATING APPARATUS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☒ Copies of IDS citations.
- 1c. ☐ An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report.
- 1d. ☒ English language translations (complete or relevant portion(s)) or Abstracts as indicated on the Form PTO-1449.
- 1e. ☒ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication.

2. ☒ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is

(Check appropriate Items 2a, 2b, 2c and/or 2d)

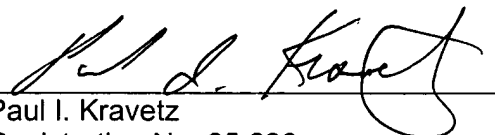
- 2a. ☐ satisfied because all non-English language publications were cited on the enclosed "English-language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, pp. 600-100 to 600-101, Rev. 1, Feb. 2000.)
- 2b. ☐ set forth in the application.

- 2c. ☒ satisfied because an English language translation (complete or relevant portion(s)) or Abstract is attached to each non-English language publication.
- 2d. ☒ enclosed as Attachment 1(e) and Attachment 1(f), hereto.
3. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

Respectfully submitted,

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Paul I. Kravetz
Registration No. 35,230

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1075.1251	APPLICATION NO.
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		FIRST NAMED INVENTOR Hiroki OOI, et al.	
		FILING DATE February 20, 2004	GROUP ART UNIT

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	BA	6,661,974	12/9/03				
	BB	6,320,687	11/20/01				
	BC	6,411,416	6/25/02				
	BD	5,717,510	2/10/98				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	BG	2000-236299	8/29/00	Japan			X
	BH	WO99/28723	6/10/99	EPO			X
	BI	HEI 11-88261	3/30/99	Japan			X
	BJ	EP 0 902560A2	3/17/99	EPO			
	BK	HEI 11-88260	3/30/99	Japan			X
	BL	HEI 11-68657	3/9/99	Japan			X
	BM	HEI 8-321805	12/3/96	Japan			X

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	BM	
	BN	
	BO	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>	ATTORNEY DOCKET NO. 1075.1251	APPLICATION NO.
	FIRST NAMED INVENTOR Hiroki OOI, et al.	
	FILING DATE February 20, 2004	GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	6,229,935	5/8/01				
	AB	2002/0015207 A2	2/7/02				
	AC	2001/0046077 A1	11/29/01				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
	AG	JP 2000-68931	3/3/00	Japan			Abst	
	AH	HEI 9-153859	6/10/97	Japan			Abst	
	AI	JP 2003-298516	10/17/03	Japan			Full	
	AJ	JP 2002-77053	3/15/02	Japan			Abst	
	AK	JP 2002-57622	2/22/02	Japan				X
	AL	2001-339345	12/7/01	Japan				X

OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	AM	M. Shirasaki, et al., "Variable Dispersion Compensator Using the Virtually Imaged Phased Array (VIPA) for 40-GBIT/S WDM Transmission Systems", ECOC 2000, 26th European Conference on Optical Communication, Proceedings, Vol. 5, Plenary Papers and Tutorials Post-Deadline Papers, September 3, 2000.
	AN	J.A.J. Fells, et al., "Twin Fibre Grating Adjustable Dispersion Compensator for 40 GBIT/S," ECOC 2000, 26th European Conference on Optical Communication, Proceedings, Vol. 5, Plenary Papers and Tutorials Post-Deadline Papers, September 3, 2000.
	AO	

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ATTACHMENT 1(e)

EXPLANATIONS OF RELEVANCY OF REFERENCES	ATTORNEY DOCKET NO. 1075.1251	APPLICATION NO.
	FIRST NAMED INVENTOR Hiroki OOI, et al.	
	FILING DATE February 20, 2004	GROUP ART UNIT

Reference AB (U.S. Patent Publication No. 2002/0015207 A2) is a US application corresponding to Reference AK.
Reference AC (U.S. Patent Publication No. 2001/0046077 A1) is a US application corresponding to Reference AL.
Reference BA (U.S. Patent No. 6,661,974) is a US patent corresponding to Reference BG.

U.S. Application Serial No. 09/359,112 listed on Attachment 1F is a corresponding U.S. Application to Reference BH.

Reference BJ (EP 0 902560A2) is a European application corresponding to Reference BI.
Reference BB (U.S. Patent 6,320,687) is a US patent corresponding to Reference BK.
Reference BC (U.S. Patent 6,411,416) is a US patent corresponding to Reference BL.
Reference BD (U.S. Patent 5,717,510) is a US patent corresponding to Reference BM.

ATTACHMENT 1(f)

LIST OF COPENDING APPLICATIONS	ATTORNEY DOCKET NO.	APPLICATION NO.
	1075.1251	
	FIRST NAMED INVENTOR	
	Hiroki OOI, et al.	
	FILING DATE	GROUP ART UNIT
	February 20, 2004	

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

U.S. PATENT APPLICATION DOCUMENTS

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
	1	09/359,112	July 23, 1999	Hiroki OOI, et al.	Fujitsu Limited
	2				
	3				
	4				
	5				
	6				
	7				
	8				

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	